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PMT  
3-501

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Mitsuyuki MATSUMOTO, et al.

Appln. No.: 09/622,439

Confirmation No. Not Yet Assigned

Group Art Unit: 1647

Filed: August 17, 2000

Examiner: S. WEGERT

For: NOVEL G PROTEIN-COUPLED RECEPTOR PROTEINS

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**RESPONSE TO RESTRICTION REQUIREMENT AND PRELIMINARY  
AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

This response is submitted in answer to the Office Action dated January 30, 2001, making a response to the Action due on or before February 28, 2001. This response is being timely filed.

**IN THE CLAIMS:**

**Please enter the following amended claims:**

3. An isolated DNA molecule which comprises a polynucleotide coding for a G protein-coupled receptor protein which has the amino acid sequence of SEQ ID NO: 4.

4. A vector which comprises the polynucleotide of claim 3.

5. A host cell transformed or transfected with the vector of claim 4.

6. A method for producing a G protein-coupled receptor protein which has the amino acid sequence of SEQ ID NO: 4, comprising culturing the host cell of claim 5 under